

## ETS-ESI-1008

Industrial Ethernet Switch

8\*10/100Base-Tx

RoHS Compliant



### Description

ETS-ESI-1008 series are equipped with 8 Fast Ethernet ports, making them ideal for applications that demand high bandwidth. ETS-ESI-1008 series are one of Enta source new ultra low power consumption Green Ethernet solutions. Its full load power consumption is 4.4W which enables not only power electricity saving, but also a longer life span for the devices. ETS-ESI-1008 unmanaged switches are powered with 12~48VDC power supply, and its operation temperature ranges from -40 to 85°C (-40 to 185°F). They are specially designed for harsh industrial environments and their EMC performance reaches industrial level 4. ETS-ESI-1008 series can be installed easily on a DIN-Rail or panel mounting distribution boxes.

### Main Features

- Green Ethernet solution with ultra low power consumption design
- Both standard and wide operating temperature
- Complies with IEEE 802.3, IEEE 802.3u, IEEE802.3x
- Supports auto MDI/MDIX function
- Supports DIN-Rail and hang wall mounting
- Status LED for easy monitoring of device status
- Maximum frame size of 1632 bytes
- Support 8k MAC address
- IP40 protection class
- Support dual power supply backup
- FCC Class A & CE approved



## Specifications

### Interface

- 8 x Ethernet port (RJ45) 10/100Base-Tx
- 1 x Console port (RJ45)

### Ethernet Port

- Standard: IEEE802.3, IEEE802.3u, IEEE802.3x
- Available speed: force 10Mbps, force 100Mbps and auto-detective 10/100Mbps Full-Duplex and Half-Duplex auto-negotiation
- Connectors: RJ-45 Connector; MDI/MDI-X connection auto-sensing

### Switch Properties

- MAC Table: 8K
- Packet Buffer: 1Mbit
- Switching Delay: <math>5\mu\text{s}</math>

### LED Indicators

- Power Status, Speed Status, TX Link/Act

### Power Requirement

- Input: 12VDC~48VDC
- Consumption: MAX 4.4W
- Reverse Connection Protection: Support
- Redundancy Protection: Support
- Dual Power: Support

### Physical Characteristics

- Housing: Metal enclosure
- Protection Class: IP40
- Dimensions: 53 x 165 x 145mm
- Weight: 0.85kg

- Installation: DIN-Rail or Panel mounting

### Environmental Limits

- Operating Temperature: -40°C to 85°C
- Storage Temperature: -40°C to 85°C
- Operating Humidity: 10% to 95% RH (non-condensing)
- Storage Humidity: 5% to 95% RH (non-condensing)

### Agency Approvals

- FCC Part 15 of Class A & CE approved

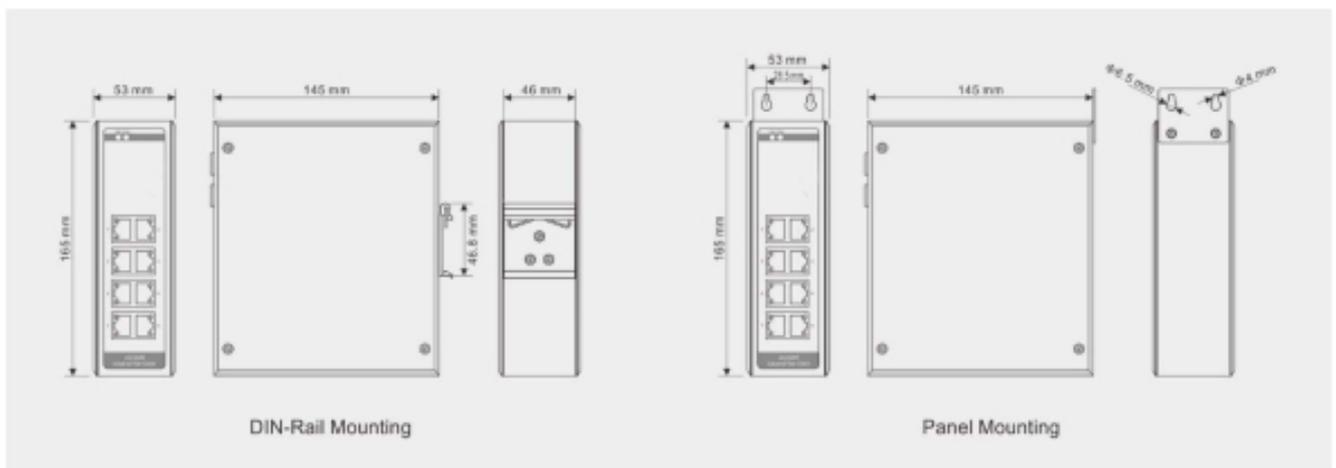
### Industrial Standard

- EMI: FCC/CE/LVD/EMC
- EMS:
  - IEC61000-4-2 (ESD):  $\pm 8\text{kV}$  (contact),  $\pm 15\text{kV}$  (air)
  - IEC61000-4-3 (RS): 10V/m (80MHz-2GHz)
  - IEC61000-4-4 (EFT): Power Port:  $\pm 4\text{kV}$ ; Data Port:  $\pm 2\text{kV}$
  - IEC61000-4-5 (Surge): Power Port:  $\pm 2\text{kV}/\text{DM}$ ,  $\pm 4\text{kV}/\text{CM}$ ; Data Port:  $\pm 2\text{kV}$
  - IEC61000-4-6 (CS): 3V (10kHz-150kHz); 10V (150kHz-80MHz)
  - IEC61000-4-16 (Common mode conduction): 30V (cont.), 300V (1s)
- Shock: IEC 60068-2-27
- Free Fall: IEC 60068-2-32
- Vibration: IEC 60068-2-6

### Warranty

- 3 years

## Mechanical Drawing



## Ordering Information

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ETS-ESI-1008      8\*10/100Base-Tx, Industrial, DIN-Railor hang wall mounting

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## Important Notice

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